Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/04/2016 09:42 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125464	0	2.21	125285	2.15
Blue	F	SSC	125000	121388	-3	4.02	121749	3.77
Blue	E	FITC	22946	22336	-3	2.57	997	9.38
Blue	D	PE	28770	28408	-2	2.13	1020	8.79
Blue	B	PerCP-Cy5-5	51099	50339	-2	3.50	1438	15.31
Blue	A	PE-Cy7	42312	41501	-2	4.94	644	31.77
Red	C	APC	52169	51695	-1	2.85	2967	9.31
Red	A	APC-Cy7	56705	56339	-1	2.91	1166	10.82
Violet	B	V450	14708	14076	-5	4.29	674	9.12
Violet	A	V500	58608	56629	-4	4.05	2520	6.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19392	5.28	593	-5	N/A	N/A	Pass
Blue	F	SSC	60593	2.14	520	2	N/A	N/A	Pass
Blue	E	FITC	110	37.06	528	-3	0.0257	199	Pass
Blue	D	PE	222	26.32	525	-1	0.2062	247	Pass
Blue	B	PerCP-Cy5-5	227	41.14	618	-4	0.0129	139	Pass
Blue	A	PE-Cy7	72	102.43	664	-7	0.0148	9	Pass
Red	C	APC	348	26.42	588	-2	0.0212	25	Pass
Red	A	APC-Cy7	127	38.73	571	-5	0.0062	1633	Pass
Violet	B	V450	82	41.93	466	7	0.0463	1895	Pass
Violet	A	V500	183	24.82	495	7	0.0147	1021	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.62	-31.31	0.83
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.31
Red	18.24	13.27 - 19.91	N/A	N/A	31.70	31.98	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9522

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments